

U.S. ENVIRONMENTAL PROTECTION AGENCY  
CLP Sample Management Office  
P.O. Box 818 - Alexandria, Virginia 22313  
Phone: 703/557-2490 - FTS/557-2490

SAS Number

48085

## SPECIAL ANALYTICAL SERVICES

## Client Request

☐ Regional Transmittal☒ Telephone Request

A. Region/Client: Region X

B. RSCC Representative: Laura Castrilli

C. Telephone Number: (206) 442-4323 (FTS) 339-4323

D. Date of Request: July 17, 1989.

E. Site Name: Old Larson Air Force Base Moses Lake, WA

F. Site ID: ZZ

Please provide below description of your request for Special Analytical Services under the Contract Laboratory Program. In order to most efficiently obtain laboratory capability for your request, please address the following considerations, if applicable. Incomplete or erroneous information may result in a delay in the processing of your request. Please continue response on additional sheets, or attach supplementary information as needed.

- General description of analytical service requested: The samples will be analysed for VOAs using standard IFB methodologies. However, this analysis requires lower detection limits as listed on page 3.
- Definition and number of work units involved (specify whether whole samples or fractions; whether organics or inorganics; whether aqueous or soil and sediments; and whether low, medium or high concentration): There will be 36 low water samples for this analysis.
- Purpose of analysis (specify whether Superfund (enforcement or remedial action, RCRA, NPDES, etc.): The samples will be collected from a super-fund site investigation.

USEPA SF



1504089

MEMORANDUM  
OF CALL

Previous editions usable

TO:

Mike, Bruce



YOU WERE CALLED BY—



YOU WERE VISITED BY—

Susan Bass

OF (Organization)

Compuchem



PLEASE PHONE ►



FTS



AUTOVON

919-248-6477



WILL CALL AGAIN



IS WAITING TO SEE YOU



RETURNED YOUR CALL



WISHES AN APPOINTMENT

MESSAGE

low Dose Limit VOA SAS

25, 50, 100, 250 ng purges =

1-20 ug/L

5000 m

5ug/L

25ug/L  
1000

1ug/L

RECEIVED BY

hume

DATE

TIME

63-110 NSN 7540-00-634-4018

STANDARD FORM 63 (Rev. 8-81)

Prescribed by GSA

FPMR (41 CFR) 101-11.6

instructed to follow  
IFB after purging 25 ml  
of sample - does this  
have SPLC criteria?

also problem in the past  
w/surrogate criteria of  
D-8 Toluene



4. Estimated date(s) of collection: The samples will be collected the week of July 31st.
5. Estimated date(s) and method of shipment: The sample will be shipped August 1-3 via Federal Express.
6. Number of days analysis and data required after laboratory receipt of samples: The data package is to be completed within thirty-five days of sample receipt.
7. Analytical protocol required (attach copy if other than a protocol currently used in this program): Standard IFB method for VOA's is to be used, but the VOAs require lower quantitation limits as specified in item #12 (page 3). The VOA analyses will be modified as stated below in item #8 to achieve the lower quantitation limits.
8. Special technical instructions (if outside protocol requirements, specify compound names, CAS numbers, detection limits, etc.):
- \* All standard IFB contract requirements are to be followed except where specified below.
  - \* To meet lower quantitation limits, purge 25ml for each sample.
  - \* Purge 100ng for internal standards and surrogates.
  - \* Perform a 5 point calibration at the following levels:
    - 1) 25ng purge, 2) 50ng purge, 3) 100ng purge, 4) 250ng purge,
    - 5) 500ng purge.
  - \* Perform daily calibration at 100ng purge level.
  - \* If results are higher than the specified calibration range, re-calibrate and reanalyze according to the normal IFB method for VOAs.
  - \* All criteria for all parameters must be met by the laboratory; if QC limits are exceeded, reanalysis is required and if not within the QC limits a second time, Region 10's QA chemist, Mike Schlender, must be contacted.
  - \* The laboratory must specifically ensure the separation and unambiguous identification of tetrachloroethylene.
9. Analytical results required (if known, specify format for data sheets, QA /QC reports, Chain-of-Custody documentation, etc.) If not completed, format of results will be left to program discretion. IFB deliverables are required for data reporting.

11. Name of sampling/shipping contact: Tim Syverson, Ecology and Environment  
Phone: (206) 624-9537

12. Data Requirements

| Parameter                    | Quantitation Limits | Precision Desired<br>(% or Concentration) |
|------------------------------|---------------------|---|
| VOAs with CRDLs of<br>5 ppb  | 1 ug/l              | +/- 20%                                   |
| VOAs with CRDLs of<br>10 ppb | 2 ug/l              | +/- 20%                                   |
|                              |                     |   |
|                              |                     |   |

13. QC Requirements

| Audits Required | Frequency of Audits            | Limits<br>(% or Concentration)   |
|-----------------|--------------------------------|--|
| Blanks          | 1 per 12 hours of<br>operation | less than quantitation<br>limits specified in<br>item #12 except for<br>common lab contam-<br>inants specified in<br>IFB |
| All other QC    | as per IFB                     | as per IFB   |

14. Action Required if Limits are Exceeded

|  |
|--|
| Take corrective action and reanalyse samples. Contact Mike Schlender,<br>QA chemist, at 206-442-2111, or Gerald Muth, Regional DPO, at 442-0370. |
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Please return this request to the Sample Management Office as soon as possible to expedite processing of your request for special analytical services. Should you have any questions or need any assistance, please contact your Regional representative at the Sample Management Office